

WHAT IS CLAIMED IS:

1. A silver halide photographic light-sensitive material having at least one silver halide emulsion layer on a support, wherein the support contains a filler.

5        2. The silver halide photographic light-sensitive material according to claim 1, wherein the filler has an aspect ratio of 50 to 10000.

3. The silver halide photographic light-sensitive material according to claim 1, wherein the filler has a  
10 thickness of 0.5 to 5 nm.

4. The silver halide photographic light-sensitive material according to claim 1, wherein the filler has an average particle size of 25 to 10000 nm.

5. The silver halide photographic light-sensitive  
15 material according to claim 1, wherein the filler is a compound treated with organic onium ions.

6. The silver halide photographic light-sensitive material according to claim 5, wherein the filler is a clay compound treated with organic onium ions.

20        7. The silver halide photographic light-sensitive material according to claim 6, wherein the filler is a smectite group clay compound treated with organic onium ions.

8. The silver halide photographic light-sensitive  
25 material according to claim 5, wherein the filler is a swellable mineral treated with organic onium ions.

9. The silver halide photographic light-sensitive

material according to claim 8, wherein the filler is swellable mica treated with organic onium ions.

10. The silver halide photographic light-sensitive material according to claim 8, wherein the filler is  
5 swellable vermiculite treated with organic onium ions.

11. The silver halide photographic light-sensitive material according to claim 1, which shows a gamma of 4.0 or more for the optical density range of 0.1 to 1.5 on a characteristic curve drawn in orthogonal coordinates of  
10 common logarithm of light exposure (x-axis) and optical density (y-axis) using equal unit lengths for the both axes.

12. A silver halide photographic light-sensitive material having at least one silver halide emulsion layer on a support and a back layer on the side of the support  
15 opposite to the side having the emulsion layer, which has an undercoat layer containing a clay compound coated with an organic substance between the support and the emulsion layer or between the support and the back layer.

13. The silver halide photographic light-sensitive  
20 material according to claim 12, wherein the clay compound coated with an organic substance has an aspect ratio of 50 to 10000.

14. The silver halide photographic light-sensitive material according to claim 12, wherein the clay compound  
25 coated with an organic substance has a thickness of 0.5 to 5 nm.

15. The silver halide photographic light-sensitive

material according to claim 12, wherein the clay compound coated with an organic substance is a layered silicate compound treated with organic onium ions.

16. The silver halide photographic light-sensitive  
5 material according to claim 15, wherein the clay compound coated with an organic substance is a smectite group clay compound treated with organic onium ions.

17. The silver halide photographic light-sensitive material according to claim 15, wherein the clay compound  
10 coated with an organic substance is swellable mica treated with organic onium ions.

18. The silver halide photographic light-sensitive material according to claim 15, wherein the clay compound coated with an organic substance is swellable vermiculite  
15 treated with organic onium ions.

19. The silver halide photographic light-sensitive material according to claim 12, which has undercoat layers containing a clay compound coated with an organic substance between the support and the emulsion layer and between the  
20 support and the back layer.

20. The silver halide photographic light-sensitive material according to claim 12, which shows a gamma of 4.0 or more for the optical density range of 0.1 to 1.5 on a characteristic curve drawn in orthogonal coordinates of  
25 common logarithm of light exposure (x-axis) and optical density (y-axis) using equal unit lengths for the both axes.